

Montana Career Fields Model

Human Services & Resources

→ **Law, Public Safety and Security Cluster**
Pathways: Correction Services, Legal Services, Emergency and Fire Management Services, Security and Protective Services, Law Enforcement Services

→ **Government and Public Administration Cluster**
Pathways: Governance, National Security, Foreign Service, Planning, Revenue and Taxation, Regulation, Public Management and Administration

→ **Human Services Cluster**
Pathways: Consumer Services, Early Childhood Development and Services, Counseling and Mental Health Services, Family and Community Services, Personal Care Services

→ **Education and Training Cluster**
Pathways: Administration and Admin Support, Teaching and Training, Professional Support Services

Agriculture, Food and Natural Resources

→ **Agriculture, Food, & Natural Resources Cluster**
Pathways: Plant Systems, Animal Systems, Power Structural and Technical Systems, Natural Resource Systems, Environmental Service Systems, Agribusiness Systems, Food Products and Processing

Business, Management & Information Systems

→ **Marketing, Sales, and Services Cluster**
Pathways: Management and Entrepreneurship, Professional Sales and Marketing, Buying and Merchandising, Marketing Communications and Promotion, Marketing Info. Mgmt. and Research, Dist. and Logistics, E-Marketing

→ **Business, Management and Admin. Cluster**
Pathways: Management, Business Financial Management and Accounting, Human Resources, Business Analysis, Marketing, Administration and Information Support

→ **Hospitality and Tourism Cluster**
Pathways: Lodging, Travel and Tourism, Recreation Amusement and Attractions, Restaurant and Food/Beverage Services

→ **Finance Cluster**
Pathways: Financial and Investment Planning, Business Financial Management, Insurance Services, Banking and Related Services

→ **Information Technology Cluster**
Pathways: Programming/Software Dev., Network Systems Information and Support Services, Interactive Media

Arts & Communications

→ **Arts, A/V Technology and Communications Cluster**
Pathways: Performing Arts, Audio and Video Technology and Film, Visual Arts, Journalism and Broadcasting, Printing Technology, Telecommunications

Health Sciences

→ **Health Science Cluster**
Pathways: Therapeutic Services, Diagnostic Services, Support Services, Health Informatics, Biotechnology Research and Development

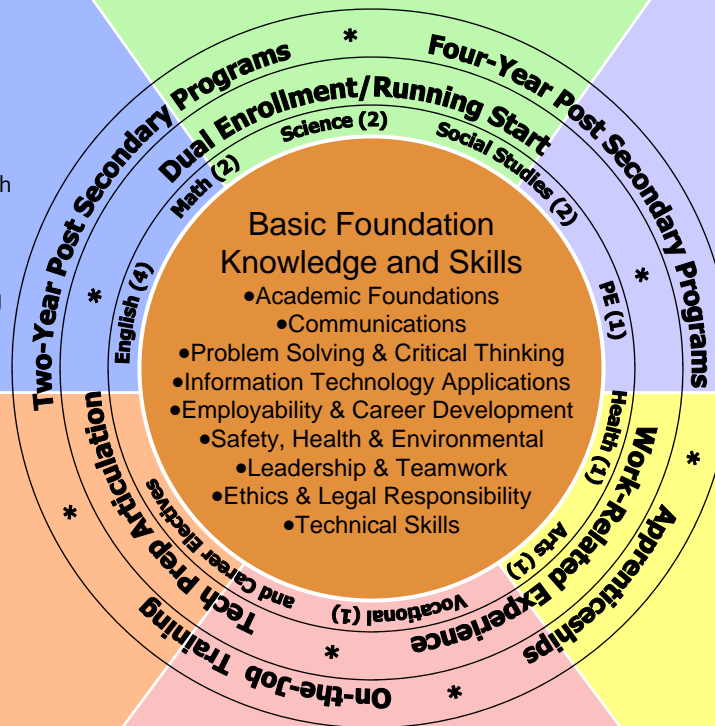
Industrial, Manufacturing & Engineering Systems

→ **Manufacturing Cluster**
Pathways: Production, Health Safety and Environmental Assurance, Manufacturing Production Process Development, Maintenance Installation and Repair, Quality Assurance, Logistics and Inventory Control

→ **Transportation, Distribution & Logistics Cluster**
Pathways: Logistics, Planning and Management Services, Transportation Services, Trans. System Infrastructure, Health Safety and Environmental Mgmt., Facility & Mobile Equipment Maintenance

→ **Architecture and Construction Cluster**
Pathways: Construction, Maintenance Options, Design/Pre-Construction

→ **Science, Technology, Engineering & Mathematics Cluster**
Pathways: Engineering and Technology, Science and Math



Definitions for Montana Big Sky Pathways

The Commissioner's Office of Higher Education (OCHÉ) and the Office of Public Instruction (OPTI) recommend these definitions to be used in Big Sky Pathways development statewide.

Career Field: Six Career Fields make up the broad organizing structure that Montana has chosen to portray this initiative in our state. As seen on the model, the Career Fields are shown as: Health Sciences, Industrial, Manufacturing and Engineering Systems, Business Management and Information Systems, Environmental and Agriculture Systems, Human Services and Resources, Arts and Communications

Career Clusters: An organizing framework defining Career and Technical Education using the 16 clusters of occupations and related pathways with validated standards that ensure opportunities for all students regardless of their career goals and interests.

Big Sky Pathway (Program of Study): A tool to organize a coherent, articulated sequence of rigorous academic and career courses leading to an industry recognized certificate or licensure, and/or a post-secondary degree and beyond.

Running Start/Dual Credit - 20-9-706. Running start program -- authorizing class credits at postsecondary institution -- eligibility -- payment for credits. (1) As used in this section, "postsecondary institution" means a unit of the Montana university system, a public community college, or a tribal college.

(2) A school district may enter into an interlocal agreement pursuant to Title 7, chapter 11, with a postsecondary institution to institute a "running start" program to allow 11th and 12th grade students, as defined by the district, to attend classes at the postsecondary institution at a cost determined by the interlocal agreement and to obtain credits in classes not available through the school district.

(3) An agreement entered into by the district and the postsecondary institution must state the amount for each credit to be paid to the postsecondary institution by the district or the student.

(4) To participate in the program, a student shall complete a running start application provided by the district. The district shall determine whether the student has the skills needed to succeed in the proposed college coursework. If accepted, a student may earn both high school and college credits as determined by the interlocal agreement.

(5) In registering 11th and 12th grade students in the program, a postsecondary institution may not displace adult students attending the postsecondary institution.

(6) If accepted into the program, the student is responsible for transportation, books, and all supplies.

(7) If a student accepted into the program drops out of a class or classes at the postsecondary institution during the drop period established by the postsecondary institution, the postsecondary institution shall reimburse the district or the student the cost associated with the student's credits as determined by the interlocal agreement.

Articulation: Carl D. Perkins Act of 2006 Section 3 (4) The term "articulation agreement" means a written commitment --

(A) that is agreed upon at the State level for approved annually by the lead administrators of --

(i) a secondary institution and a postsecondary educational institution; or

(ii) a subbaccalaureate degree granting postsecondary educational institution and a baccalaureate degree granting educational institution;

(B) to a program that is:

(i) designed to provide students with a non-duplicative sequence of progressive achievement leading to technical skill proficiency, a credential, a certificate, or a degree and

(ii) linked through credit transfer agreements between 2 institutions described in clause (i) or (ii) of subparagraph (A) (as the case, may be)